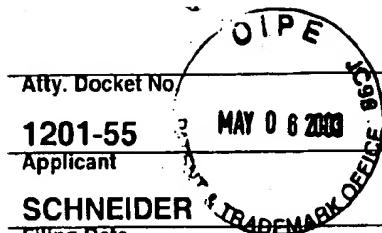


Sheet 1 f 1



INFORMATION DISCLOSURE CITATION

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1201-55

Applicant

REMARKS

SCHNEIDER

Filing Date

July 15, 1998

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09/115,963

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

TRANSLATION

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

Gregoriadis, Gregory, Liposome Technology, Volume I, "Preparation of Liposomes", CRC Press, pp. 172-77, 1984.

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*Examiner HARTLEY Date Considered 2/04

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-EB-A820 (Also PTO-1449)

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Schneider et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	5,149,319	9/22/92	Unger			
	AB	5,209,720	5/11/93	Unger			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	YES	NO
	BA	WO 89/05160 (PCT DE 988/00751) (Fritzsch)	6/15/89	PCT				X	
	BB	DE A 41 27 442 (Gross)	2/18/93	Germany				X	
	BC	EP A 131 540 (Rasor & Tickner)	1/16/85	EP				X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	Hartley	DATE CONSIDERED
		2/6/2002

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Based on Form PTO-1449 (3/90)		ATTY. DOCKET NO. 1201-55	SERIAL NO. 09/115,963				
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANTS Schneider et al.					
		FILING DATE July 15, 1998	GROUP 1616				
U.S. PATENT DOCUMENTS							
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	AA	5,730,954	3/24/98	Albayrak et al.			
	AB	5,599,523	2/4/97	Beller			
	AC	4,832,941	5/23/89	Berwing			
	AD	5,711,933	1/27/98	Bichon et al.			
	AE	4,957,656	9/18/90	Cerny			
	AF	4,684,479	8/4/87	D'Arrigo			
	AG	4,859,363	8/22/89	Davis			
	AH	3,615,972	N/A 10/1974	Dow Chemical			
	AI	5,137,928	8/11/92	Erbel			
	AJ	5,190,982	3/2/93	Erbel			
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	AM	4,718,433	1/12/88	Feinstein			
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	AP	5,049,322	9/17/91	Fessi			
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	ADD	4,192,859	3/11/80	Mackaness, et al			
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	AGG	4,235,871	11/25/80	Papahadjopoulos , et al.			
	AHH	5,409,688	4/25/95	Quay			
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	AJJ	4,442,843	4/17/84	Rasor			
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	ALL	4,681,119	7/21/87	Rasor			
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	AVV	5,380,519	1/10/95	Schneider			
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	AXX	5,445,813	8/29/95	Schneider			
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	AFFF	3,968,203	7/6/76	Spitzer			
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	AJJJ	4,276,885	7/7/81	Tickner et al.			
	AKKK	5,088,499	2/18/92	Unger			
	AllL	5,123,414	6/23/92	Unger			
	AMMM	5,874,062	2/23/99	Unger			
	ANNN	5,776,429	7/7/98	Unger et al.			
	AOOO	5,352,436	10/4/94	Wheatley			
	APPP	4,844,882	7/4/89	Widder et al.			
	AQQQ	5,556,610	9/17/96	Yan et al.			

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		DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	BB	EP A 458 745 (Bichon et al.)	11/27/91	EP			

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BF	WO 84/02838 (Feinstein)	8/2/84	PCT			
BG	WO 89/05160 (PCT DE 988/00751) (Fritzschi)	6/15/89	PCT			X
BH	WO 92/05806 (Giddey)	4/16/92	PCT			
BI	WO 92/19273 (EP 0 583 390) (Goldenberg)	11/12/92	PCT			
BJ	DE A 41 27 442 (Gross)	2/18/93	Germany			X
BK	CA 1239092 (Hilmann)	7/12/88	CA			
BL	CA 1232837 (Hilmann)	2/16/88	CA			
BM	WO 91/12823 (Illum et al.)	9/5/91	PCT			
BN	WO A 92/17212 (EP 0 576 519) (Klaveness)	10/15/92	PCT			
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BP	WO 92/21382 (EP 0 586 524) (Klaveness)	12/10/92	PCT			
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BS	WO 94/16739 (Quay)	8/4/94	PCT			
BT	WO 88/7365 (Ranney)	10/6/88	PCT			
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<input checked="" type="checkbox"/>	BGG	EP A 324 938 (Widder et al.)	7/26/89	EP			

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<input checked="" type="checkbox"/>	CA	Biochemistry/Ed. Stryer - 2 Ed., San Francisco, Freeman, pp. 208-09 (1981)
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<input checked="" type="checkbox"/>	CC	Encyclopedia of Polymer Science and Engineering, 2nd ed., 10, p. 95, Wiley & Sons, 1987)
<input checked="" type="checkbox"/>	CD	Encyclopedia of Polymer Science and Engineering, pp. 164-69, Wiley & Sons, 1985
<input checked="" type="checkbox"/>	CE	" "Freon" Fluorocarbons Properties and Applications," DuPont Technical Bulletin, pp. 1-11 (1964)
<input checked="" type="checkbox"/>	CF	" "Freon" DuPont Technical Bulletin, pp. 1-10 (1987)
<input checked="" type="checkbox"/>	CG	Gas Encyclopedia, Elsevier Publishier (1976), CClF3
<input checked="" type="checkbox"/>	CH	Handbook of Pharmaceutical Excipients: Am. Pharm. Ass. 181-183 (1986)
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<input checked="" type="checkbox"/>	CK	"Lecithin" in Dorland's Illustrated Medical Dictionary, 26 Ed., Philadelphia, Saunders, p. 721 (1981)
<input checked="" type="checkbox"/>	CL	Remington's Pharmaceutical Sciences: Mack Publ. Comp., 295-298: 736; 1242-44 (1975)
<input checked="" type="checkbox"/>	CM	Barnhart et al., Invest. Radiol., 25, 162-164 (1990) "Characterics of Albunex"
<input checked="" type="checkbox"/>	CN	Benita et al., Journal of Pharmaceutical Science, 73, pp. 1721-1724 (1984) "Characterization of Drug Loaded Polydilactide Microspheres"
<input checked="" type="checkbox"/>	CO	Bleeker, et al., J. Acoust. Soc. Am., 87 (4), Apr. 1990, pp. 1792-1797, "Ultrasonic characterization of Albunex® ..."
<input checked="" type="checkbox"/>	CP	Bleeker, et al., 1990 J. Ultrasound Med., 9:461-471, (1999), "On the Application of Ultrasonic Contrast Agents . . ."

	CQ	Bommer et al, Abstract of the 54 Scient. Session Circulation 64, - 203, Abst. 770 (1981)
	CR	Crommelin et al., Pharm. Res., pp. 159-163 (1984) "Stability of Liposomes on Storage . . ."
	CS	Crommelin et al., Liposomes as Drugs Carriers Symp., pp. 88-93 (1986) "Freezing and Freeze Drying of Liposomes"
	CT	de Gruyter, "Phospholipids", Concise Encyclopedia of Biochemistry, Berlin, pp. 348-49 (1983)
	CU	deJong, et al., Ultrasonics, 1992, Vol. 30, No. 2, pp. 95-103, "Absorption and scatter of encapsulated gas filled microspheres . . ."
	CV	deJong, et al., Ultrasonics, 1991, Vol. 29 Jul., pp. 324-330, "Principles and recent developments in ultrasound"
	CW	Edwards, et al. J. Acoust. Soc. Am., Vol. 70, No. 3 (1983), "Scattering of focused ultrasound by spherical microparticles"
	CX	Epstein, et al., J. Chem. Physics, Vol. 18, No. 11, pp. 1505-1509, Nov. 1950, "On the Stability of Gas Bubbles in Liquid-Gas Solutions"
	CY	Feinstein, et al., JACC, Vol. 16, No. 2, 8/90:316-24, "Safety and Efficacy of a New Transpulmonary Ultrasound Agent . . .", Amer. Hearts Assn. Monograph Circulation, Part II, Vol. 72, No. 4, Oct. 1985, Abstracts of the 58 th Scientific Ses.
	CZ	Feinstein, et al., Am. J. of Physiologic Imaging, 1:12-18 (1986), "Myocardial Contrast Echocardiography . . ."
	CAA	Feinstein, J. of the Amer. Coll. of Cardiol, 8:251-253 (1986) "Myocardial Perfusion Imaging . . ."
	CBB	H. Fessi, et al., "Nanocapsule formation by interfacial polymer deposition . . .", Int. J. Pharm., 1989, Vol. 55, No. 1, pp. R1-R4
	CCC	Fieser and Fieser, Organic Chemistry, 3rd ed. (1956) p. 847
	CDD	Fobbe, et al., Fortschr Rontgenstr, 154.3 (1991) 242-245, "Farbkodierte Duplexsonographic und Ultraschallkontrast mittel . . ."
	CEE	Ganguly et al., "Structure of hollow polystyrene microspheres . . .", J. Microencapsulation, Vol. 6, No. 2, 193-198 (1989)
	CFF	Gardner, et al., (1988), "A Survey of Intraocular Gas Use in North America," Arch. Ophthalmol., 106:1188-1189
	CGG	Goldberg et al., Radiology, 177, pp. 713-7 (1990) "Hepatic Tumors . . ."
	CHH	Helzel, Fortschr. Rontgenste, 140, pp. 337-340 (1984) "Erste Erfahrungen . . ."
	CII	Henry-Michelland et al., Colloids and Surfaces, 14, pp. 269-276 (1985) "Lyophilization and Rehydration of Liposomes"
	CJJ	Jacobs, "Intraocular gas measurement using A-scan ultrasound," Current Eye Research, Vol. 5, No. 8, 1986, pp. 575-578
	CKK	Keller et al, Circulation Res, 65, 458-467 (1989) "The Behavior of Sonicated Albumin . . ."
	CLL	Krause et al., International Journal of Pharmaceutics., 27, pp. 145-155 (1985) "Polylactic acid nanoparticle . . ."
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	COO	Lincoff, et al., "Intravitreal Expansion of Perfluorocarbon Bubbles," Arch. Ophthalmology, 98:1646 (1980)

1	CPP	Lincoff, et al., "The Perfluorocarbon Gases in the Treatment of Retinal Detachment," <u>Ophthalmology</u> , 90(5):546-551 (1983)
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3	CRR	K. Makino, "Preparation and in vivo degradation properties . . .," <u>Chem. Pharm. Bull.</u> , (1985), Vol. 33, No. 3, pp. 1195-1201
4	CSS	Mattrey et al., <u>Radiology</u> , 148, pp. 759-762 (Dec. 1982) "UHM Sound; Perfluorooctyl bromide . . ."
5	CTT	<u>Chem Abs.</u> , Vol. 102. No. 3, 21 (Jan. 1985), Maynard et al., "Ultrasonic absorption by liposomes"
6	CUU	Meltzer, et al., <u>Ultrasound in Med. & Biol.</u> , Vol. 7, No. 4, pp. 377-384, 1981, "Transmission of Ultrasonic Contrast Through the Lungs"
7	CVV	Miller et al., <u>J. Amer. Soc. Anesthesiol.</u> , 36 339-351 (1971) "Physicochemical Approaches . . ."
8	CWW	Möhwald, <u>Annu. Rev. Phys. Chem.</u> , 41, 441-76 (1990) "Phospholipid and Phospholipid-Protein Monolayers At The Air/Water Interface"
9	CXX	Murrell et al., "Properties of liquids and solutions", Wiley, p. 276 (1982)
10	CYY	Nomura, et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report," <u>Jpn. J. Med. Ultrasonics</u> , Vol. 18, No. 5, 1991, pp. 444-450
11	CZZ	O'Hara et al., <u>Journal of Membrane Science</u> , 23 (1985) 1-9, "Preparation of ethylcellulose . . ."
12	CAAA	Ohta, et al., <u>Jpn. J. Med. Ultrasonics</u> , Vol. 18, No. 4 (1991), "Effect of the Contrast Agent and the Agitation Met."
13	CBBB	Ophir, et al., <u>Ultrasound in Med. & Biol.</u> , Vol 15, No. 4, pp. 319-333, 1989, "Contrast Agents in Diagnostic Ultras."
14	CCCC	Ostro in <u>Spektrum d. Wiss</u> , 94-95, 98 (Marz 1987). "Liposomen . . ."
15	CDDD	Özer et al., <u>Acta Pharm. Tech.</u> 34, pp. 129-139 (1988) "Influence of Freezing and Freeze Drying on Stability of Liposome . . ."
16	CEEE	Park, et al., <u>Journal of Chemical And Engineering Data</u> , Vol. 27, No. 3 (1982), "Solubility of Gases in Liquids. 14. Bunsen Coefficients for Several Fluorine-Containing Gases (Freons) Dissolved in Water at 298.15K"
17	CFFF	Peters et al., <u>Am. J. Ophthalmol.</u> 100 pp. 831-839 (1985) "The non expansive, equilibrated concentration of perfluoropropane in the eye"
18	CGGG	Puisieux et al., <u>Bull. Soc. Pharm. Bordeaux</u> , 123, pp. 111-126 (1984) "Les Liposomes . . ."
19	CHHH	Rompp Lex. Chemie. 8 Aufl. Stuttgart: Franckh; Bd. Z: Cm-G, (1981): Bd 3; H-L, (1983); Bd 4, M-Pk (1985) "Porositat"
20	CIH	Rompps Chemie Lexikon, "Phospholipide"
21	CJJJ	Schlief, <u>Current Opinion in Radiology</u> , 1993, 3:198-207, "Ultrasound Contrast Agents"
22	CKKK	Schneider, et al., <u>Investigative Radiol.</u> , 26(1), pp. S190-91 (1991) "A New Ultrasound Contrast Agent Based on Biodegradable Polymers Microballoon"
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24	CMMM	Swanson, pp. 682-687, "Chapter 22: Enhancement Agents for Ultrasound: Fundamentals," <u>Pharmaceuticals In Medical Imaging</u> , (1990)
25	CNNN	Szoka et al., <u>PNAS</u> 75, pp. 4194-4198 (Sept. 1978) "Procedure for preparation of Liposomes . . ."

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	COOO	Tomlinson, <i>Int J. Pharm. Tech. & Prod. Mfr.</i> , pp. 49-57 (1983) "Microsphere Delivery Means..."
	CPPP	Ulmius et al, <i>Biochem.</i> , 21, p. 1553 (1982) "Molecular organization . . ."
	CQQQ	K. Uno, et al., "A new method of preparing monocored...", <i>J. Microencapsulation</i> , 1984, Vol. 1, No. 1, pp. 3-8
	CRRR	Violante, et al., <i>Investigative Radiology</i> , Vol. 26, Nov. Supp 1991, "Particle-Stabilized Bubbles for Enhanced Organ Ultrasound Imaging"
	CSSS	Voigt et al., "Lzithine" in <i>Lehrb. d. pharm. Tech. i, uberarb. Aufl. - Weinheim; VCH</i> , p. 367 (1979)
	CTTT	Wheatley et al, <i>Biomaterials</i> 11, pp. 713-17 (1990) "Contrast agents for diagnostic ultrasound . . ."
	CUUU	Widder, et al. <i>AJR</i> :147, Aug. 1986, "Microbubbles as Contrast Agent for Neurosonography and Ultrasound . . ."
	CVVV	Fiedler, <i>Lexikon der Hiffstoffe</i> , 4. Auflage, 4182-85
	CWWW	Zhang, et al., <i>J. East China Inst. Chem. Tech.</i> , 12(3) 343-345 (1986) "A Study on the Solubilities of F22 and C2F4 in Aqueous Solutions of HCl and NaCl"
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EXAMINER <i>Hawley</i>		DATE CONSIDERED <i>2/6/2002</i>
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		